

=> s nicotinic receptor#  
L1 917 NICOTINIC RECEPTOR#

=> s nicotinic (3a) receptor#  
L2 1851 NICOTINIC (3A) RECEPTOR#

=> s l2 (12a) ((alpha 7) or ("alpha 7"))  
L3 105 L2 (12A) ((ALPHA 7) OR ("ALPHA 7"))

=> s l3 (20a) human  
L4 23 L3 (20A) HUMAN

=> d 1-23

L4 ANSWER 1 OF 23 USPATFULL on STN  
AN 2003:226398 USPATFULL  
TI Methods and compositions for treatment of central nervous system disorders  
IN Bencherif, Merouane, Winston-Salem, NC, UNITED STATES  
Marrero, Mario B., Evans, GA, UNITED STATES  
PI US 2003158211 A1 20030821  
AI US 2002-318842 A1 20021213 (10)  
PRAI US 2001-340582P 20011214 (60)  
US 2002-369934P 20020404 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2106  
INCL INCLM: 514/256.000  
INCLS: 514/357.000; 435/007.100; 436/518.000; 514/345.000  
NCL NCLM: 514/256.000  
NCLS: 514/357.000; 435/007.100; 436/518.000; 514/345.000  
IC [7]  
ICM: A61K031-505  
ICS: A61K031-44; G01N033-53; G01N033-543  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 23 USPATFULL on STN  
AN 2003:214422 USPATFULL  
TI ARYLKYLAMINE SPIROFUROPYRIDINES USEFUL IN THERAPY  
IN Loch III, James T, Hopkinton, MA, UNITED STATES  
Mullen, Georg B, Milford, MA, UNITED STATES  
Phillips, Eifion D, Worcester, MA, UNITED STATES  
PI US 2003149065 A1 20030807  
AI US 2000-529654 A1 20000418 (9)  
WO 1999-SE2478 19991223  
PRAI SE 1999-100 19990115  
DT Utility  
FS APPLICATION  
LN.CNT 1432  
INCL INCLM: 514/278.000  
INCLS: 546/015.000  
NCL NCLM: 514/278.000  
NCLS: 546/015.000  
IC [7]  
ICM: A61K031-4747  
ICS: C07D471-14  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 23 USPATFULL on STN  
AN 2003:188372 USPATFULL  
TI Method for treating neurodegenerative disorders  
IN Reitz, Allen B., Lansdale, PA, UNITED STATES  
Demeter, David A., Fishers, IN, UNITED STATES  
Lee, Daniel H.S., Northhampton, PA, UNITED STATES  
Wang, Hoau-Yan, Philadelphia, PA, UNITED STATES  
Chen, Robert H., Belle Mead, NJ, UNITED STATES  
Ross, Tina Morgan, Audubon, PA, UNITED STATES  
Scott, Malcolm K., Lansdale, PA, UNITED STATES

Plata-Salaman, Carlos R., Allentown, PA, UNITED STATES  
PI US 2003130165 A1 20030710  
AI US 2002-162821 A1 20020605 (10)  
RLI Division of Ser. No. US 1999-320885, filed on 27 May 1999, GRANTED, Pat.  
No. US 6441049  
PRAI US 1998-87577P 19980601 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1505  
INCL INCLM: 514/001.000  
NCL NCLM: 514/001.000  
IC [7]  
ICM: A61K031-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 23 USPATFULL on STN  
AN 2003:173989 USPATFULL  
TI Pharmaceutical composition for the treatment of CNS and other disorders  
IN O'Neill, Brian Thomas, Old Saybrook, CT, UNITED STATES  
Coe, Jotham Wadsworth, Niantic, CT, UNITED STATES  
O'Donnell, Christopher J., Mystic, CT, UNITED STATES  
PA Pfizer Inc. (U.S. corporation)  
PI US 2003119837 A1 20030626  
AI US 2002-229447 A1 20020828 (10)  
RLI Continuation of Ser. No. US 2001-47850, filed on 23 Oct 2001, ABANDONED  
PRAI US 2000-258736P 20001229 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1923  
INCL INCLM: 514/243.000  
INCLS: 514/249.000; 514/248.000; 544/184.000; 544/236.000; 544/276.000;  
544/277.000; 544/255.000  
NCL NCLM: 514/243.000  
NCLS: 514/249.000; 514/248.000; 544/184.000; 544/236.000; 544/276.000;  
544/277.000; 544/255.000  
IC [7]  
ICM: A61K031-53  
ICS: A61K031-52; A61K031-519; C07D487-02; C07D473-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 23 USPATFULL on STN  
AN 2003:134525 USPATFULL  
TI Alpha7 nicotinic receptor peptides as ligands for beta amyloid peptides  
IN Lee, Daniel H. S., Sudbury, MA, UNITED STATES  
Wang, Hoau-Yan, Philadelphia, PA, UNITED STATES  
Plata-Salaman, Carlos, Ambler, PA, UNITED STATES  
Reitz, Allen B., Lansdale, PA, UNITED STATES  
PI US 2003092613 A1 20030515  
AI US 2001-928636 A1 20010813 (9)  
PRAI US 2000-225048P 20000814 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 929  
INCL INCLM: 514/012.000  
INCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000;  
514/018.000; 530/324.000; 530/326.000; 530/327.000; 530/328.000;  
530/329.000; 530/330.000  
NCL NCLM: 514/012.000  
NCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000;  
514/018.000; 530/324.000; 530/326.000; 530/327.000; 530/328.000;  
530/329.000; 530/330.000  
IC [7]  
ICM: A61K038-16  
ICS: A61K038-10; A61K038-08; C07K014-435; C07K007-08; C07K007-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 23 USPATFULL on STN  
AN 2003:106250 USPATFULL  
TI Variant human alpha7 acetylcholine receptor subunit, and methods of

production and use thereof

IN Briggs, Clark A., Libertyville, IL, UNITED STATES  
Gopalakrishnan, Murali, Grayslake, IL, UNITED STATES  
McKenna, David G., McHenry, IL, UNITED STATES  
Monteggia, Lisa M., Lindenhurst, IL, UNITED STATES  
Roch, Jean-Marc, Waukegan, IL, UNITED STATES  
Sullivan, James P., Deerfield, IL, UNITED STATES  
Touma, Edward, North Chicago, IL, UNITED STATES

PI US 2003073161 A1 20030417  
AI US 2001-954936 A1 20010918 (9)  
RLI Division of Ser. No. US 1996-771737, filed on 20 Dec 1996, GRANTED, Pat.  
No. US 6323000

DT Utility  
FS APPLICATION  
LN.CNT 1736

INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C07K014-705; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 23 USPATFULL on STN

AN 2003:11163 USPATFULL

TI Compounds

IN Phillips, Eifion, Wilmington, DE, UNITED STATES  
Schmiesing, Richard, Wilmington, DE, UNITED STATES

PI US 2003008867 A1 20030109  
AI US 2002-123856 A1 20020415 (10)  
RLI Continuation of Ser. No. WO 2001-SE329, filed on 15 Feb 2001, UNKNOWN

PRAI SE 2000-540 20000218

DT Utility  
FS APPLICATION  
LN.CNT 3040

INCL INCLM: 514/228.200  
INCLS: 514/232.800; 514/253.040; 514/254.080; 514/305.000; 514/299.000;  
514/412.000; 544/060.000; 544/127.000; 544/143.000; 544/362.000;  
544/373.000; 546/135.000; 546/200.000; 548/453.000

NCL NCLM: 514/228.200  
NCLS: 514/232.800; 514/253.040; 514/254.080; 514/305.000; 514/299.000;  
514/412.000; 544/060.000; 544/127.000; 544/143.000; 544/362.000;  
544/373.000; 546/135.000; 546/200.000; 548/453.000

IC [7]  
ICM: C07D417-14  
ICS: C07D413-14; C07D043-14; C07D041-14; A61K031-541; A61K031-5377;  
A61K031-496

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 23 USPATFULL on STN

AN 2002:330309 USPATFULL

TI New compounds

IN Phillips, Eifion, Rochester, NY, UNITED STATES  
Mack, Robert, Rochester, NY, UNITED STATES  
Macor, John, Flemington, NJ, UNITED STATES  
Semus, Simon, Bensalem, PA, UNITED STATES

PI US 2002187994 A1 20021212  
AI US 2002-93939 A1 20020308 (10)  
RLI Continuation of Ser. No. US 2000-594703, filed on 16 Jun 2000, GRANTED,  
Pat. No. US 6369224

DT Utility  
FS APPLICATION  
LN.CNT 2188

INCL INCLM: 514/278.000  
INCLS: 546/018.000

NCL NCLM: 514/278.000  
NCLS: 546/018.000

IC [7]

ICM: A61K031-4747

ICS: C07D471-14

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 23 USPATFULL on STN  
AN 2002:315107 USPATFULL  
TI Pharmaceutical compositions for the treatment of CNS and other  
discorders  
IN O'Donnell, Christopher J., Mystic, CT, UNITED STATES  
O'Neill, Brian T., Old Saybrook, CT, UNITED STATES  
PA Pfizer Inc. (U.S. corporation)  
PI US 2002177591 A1 20021128  
AI US 2002-68692 A1 20020206 (10)  
PRAI US 2001-266749P 20010206 (60)  
US 2001-274994P 20010312 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2783  
INCL INCLM: 514/221.000  
INCLS: 514/249.000; 540/567.000; 544/349.000  
NCL NCLM: 514/221.000  
NCLS: 514/249.000; 540/567.000; 544/349.000  
IC [7]  
ICM: A61K031-5513  
ICS: A61K031-498; C07D487-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 23 USPATFULL on STN  
AN 2002:265889 USPATFULL  
TI Acetylcholine receptor subunits  
IN Adamczewski, Martin, Koln, GERMANY, FEDERAL REPUBLIC OF  
Ebbinghaus-Kintscher, Ulrich, Dortmund, GERMANY, FEDERAL REPUBLIC OF  
Methfessel, Christoph, Wuppertal, GERMANY, FEDERAL REPUBLIC OF  
Schulte, Thomas, Koln, GERMANY, FEDERAL REPUBLIC OF  
PI US 2002146765 A1 20021010  
AI US 2001-941179 A1 20010827 (9)  
PRAI DE 2000-10042177 20000828  
DT Utility  
FS APPLICATION  
LN.CNT 1810  
INCL INCLM: 435/069.100  
INCLS: 435/325.000; 435/320.100; 530/350.000; 536/023.200  
NCL NCLM: 435/069.100  
NCLS: 435/325.000; 435/320.100; 530/350.000; 536/023.200  
IC [7]  
ICM: C07H021-04  
ICS: C12P021-02; C12N005-06; C07K014-705  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 11 OF 23 USPATFULL on STN  
AN 2002:165241 USPATFULL  
TI Pharmaceutical composition for the treatment of CNS and other disorders  
IN O'Neill, Brian Thomas, Old Saybrook, CT, UNITED STATES  
Coe, Jotham Wadsworth, Niantic, CT, UNITED STATES  
O'Donnell, Christopher John, Mystic, CT, UNITED STATES  
PI US 2002086871 A1 20020704  
AI US 2001-47850 A1 20011023 (10)  
PRAI US 2000-258736P 20001229 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2010  
INCL INCLM: 514/260.100  
INCLS: 514/300.000; 514/301.000; 514/302.000; 544/255.000; 546/112.000;  
546/113.000; 546/114.000  
NCL NCLM: 514/260.100  
NCLS: 514/300.000; 514/301.000; 514/302.000; 544/255.000; 546/112.000;  
546/113.000; 546/114.000  
IC [7]  
ICM: A61K031-519

ICS: A61K031-4745; C07D491- C07D471-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 12 OF 23 USPATFULL on STN  
AN 2002:22538 USPATFULL  
TI METHOD OF TREATING NEURODEGENERATIVE DISORDERS VIA INHIBITION OF AMYLOID  
BETA PEPTIDE BINDING  
IN REITZ, ALLEN B., LANSDALE, PA, UNITED STATES  
DEMETER, DAVID A., FISHERS, IN, UNITED STATES  
LEE, DANIEL H.S., NORTHAMPTON, PA, UNITED STATES  
WANG, HOAU-YAN, PHILADELPHIA, PA, UNITED STATES  
CHEN, ROBERT H., BELLE MEAD, NJ, UNITED STATES  
ROSS, TINA MORGAN, AUDUBON, PA, UNITED STATES  
SCOTT, MALCOLM K., LANSDALE, PA, UNITED STATES  
PLATA-SALAMAN, CARLOS R., AMBLER, PA, UNITED STATES  
PI US 2002013374 A1 20020131  
US 6441049 B2 20020827  
AI US 1999-320885 A1 19990527 (9)  
PRAI US 1998-87577P 19980601 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1507  
INCL INCLM: 514/657.000  
INCLS: 564/428.000; 564/429.000  
NCL NCLM: 514/657.000  
NCLS: 564/428.000; 564/429.000  
IC [7]  
ICM: A61K031-135  
ICS: C07C211-42  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 13 OF 23 USPATFULL on STN  
AN 2001:212109 USPATFULL  
TI Methods for the diagnosis and prognosis of acute leukemias  
IN Steeg, Evan W., Kingston, Canada  
Misener, Stephen R., Perth, Canada  
Willis, Edward S., Nepean, Canada  
Anderson, Gary E., Kingston, Canada  
Dunne, Roderick J., Kingston, Canada  
Lepage, Marc A., Kingston, Canada  
PI US 2001044103 A1 20011122  
AI US 2000-726427 A1 20001201 (9)  
PRAI US 1999-168625P 19991203 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1622  
INCL INCLM: 435/006.000  
NCL NCLM: 435/006.000  
IC [7]  
ICM: C12Q001-68  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 14 OF 23 USPATFULL on STN  
AN 2001:205939 USPATFULL  
TI Use  
IN Gurley, David, Lima, NY, United States  
Lanthorn, Thomas, Pittsford, NY, United States  
PI US 2001041732 A1 20011115  
AI US 2001-812269 A1 20010320 (9)  
RLI Division of Ser. No. US 1998-71826, filed on 4 May 1998, GRANTED, Pat.  
No. US 6277870  
DT Utility  
FS APPLICATION  
LN.CNT 572  
INCL INCLM: 514/418.000  
NCL NCLM: 514/418.000  
IC [7]  
ICM: A61K031-404  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 15 OF 23 USPATFULL on STN  
AN 2001:136673 USPATFULL  
TI Use  
IN Gurley, David, Lima, NY, United States  
Lanthorn, Thomas, Pittsford, NY, United States  
PA Astra AB, Sweden (non-U.S. corporation)  
PI US 6277870 B1 20010821  
AI US 1998-71826 19980504 (9)  
DT Utility  
FS GRANTED  
LN.CNT 378  
INCL INCLM: 514/343.000  
INCLS: 514/415.000; 546/193.000; 546/194.000; 546/257.000; 546/279.400  
NCL NCLM: 514/343.000  
NCLS: 514/415.000; 546/193.000; 546/194.000; 546/257.000; 546/279.400  
IC [7]  
ICM: A61K031-44  
ICS: A61K031-405; C07D211-68; C07D213-02; C07D401-00  
EXF 546/193; 546/194; 546/257; 546/279.4; 514/343; 514/415  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 16 OF 23 USPATFULL on STN  
AN 2001:105177 USPATFULL  
TI VARIANT HUMAN ALPHA7 ACETYLCHOLINE RECEPTOR SUBUNIT, AND METHODS OF  
PRODUCTION AND USES THEREOF  
IN BRIGGS, CLARK A., LIBERTYVILLE, IL, United States  
GOPALAKRISHNAN, MURALI, GRAYSLAKE, IL, United States  
MC KENNA, DAVID G., MCHENRY, IL, United States  
MONTEGGIA, LISA M., LINDERHURST, IL, United States  
ROCH, JEAN-MARC, WAUKEGAN, IL, United States  
SULLIVAN, JAMES P., DEERFIELD, IL, United States  
TOUMA, EDWARD, NORTH CHICAGO, IL, United States  
PI US 2001006796 A1 20010705  
US 6323000 B2 20011127  
AI US 1996-771737 A1 19961220 (8)  
DT Utility  
FS APPLICATION  
LN.CNT 1634  
INCL INCLM: 435/069.100  
INCLS: 536/023.500; 435/325.000; 435/320.100; 530/350.000; 435/007.200;  
514/002.000; 435/006.000; 530/387.900  
NCL NCLM: 435/069.100  
NCLS: 435/071.100; 435/254.200; 435/320.100; 435/325.000; 536/023.500  
IC [7]  
ICM: A01N037-18  
ICS: A61K038-00; C12Q001-68; G01N033-53; G01N033-567; C07H021-04;  
C12P021-06; C12N015-00; C12N015-09; C12N015-63  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 17 OF 23 USPATFULL on STN  
AN 2000:113941 USPATFULL  
TI Spiroazabicyclic heterocyclic compounds  
IN Phillips, Eifion, West Henrietta, NY, United States  
Mack, Robert, Rochester, NY, United States  
Macor, John, Flemington, NJ, United States  
Semus, Simon, Bensalem, PA, United States  
PA Astra Aktiebolag, Sodertalje, Sweden (non-U.S. corporation)  
PI US 6110914 20000829  
WO 9903859 19990128  
AI US 1998-171983 19981029 (9)  
WO 1998-SE1364 19980710  
19981029 PCT 371 date  
19981029 PCT 102(e) date  
PRAI SE 1997-2746 19970718  
SE 1998-977 19980324  
DT Utility  
FS Granted  
LN.CNT 2097

INCL INCLM: 514/233.200  
INCLS: 544/070.000; 544/230.000; 546/014.000; 546/018.000; 540/543.000  
NCL NCLM: 514/233.200  
NCLS: 540/543.000; 544/070.000; 544/230.000; 546/014.000; 546/018.000  
IC [7]  
ICM: A61K031-5377  
ICS: A61P025-28; C07P499-21  
EXF 544/70; 546/18; 514/233.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 18 OF 23 PCTFULL COPYRIGHT 2003 Univentio on STN  
DISPLAY DATA IS TEMPORARILY UNAVAILABLE FOR UPDATING REASONS.  
OFFLINE PRINTS ORDERED DURING THIS SESSION WILL CONTAIN ALL DATA.

L4 ANSWER 19 OF 23 PCTFULL COPYRIGHT 2003 Univentio on STN  
DISPLAY DATA IS TEMPORARILY UNAVAILABLE FOR UPDATING REASONS.  
OFFLINE PRINTS ORDERED DURING THIS SESSION WILL CONTAIN ALL DATA.

L4 ANSWER 20 OF 23 PCTFULL COPYRIGHT 2003 Univentio on STN  
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L4 ANSWER 21 OF 23 PCTFULL COPYRIGHT 2003 Univentio on STN  
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L4 ANSWER 22 OF 23 PCTFULL COPYRIGHT 2003 Univentio on STN  
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L4 ANSWER 23 OF 23 PCTFULL COPYRIGHT 2003 Univentio on STN  
DISPLAY DATA IS TEMPORARILY UNAVAILABLE FOR UPDATING REASONS.  
OFFLINE PRINTS ORDERED DURING THIS SESSION WILL CONTAIN ALL DATA.